



Gulf of Mexico Harmful Algal Bloom Bulletin

7 May 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: May 3, 2007

Conditions Report

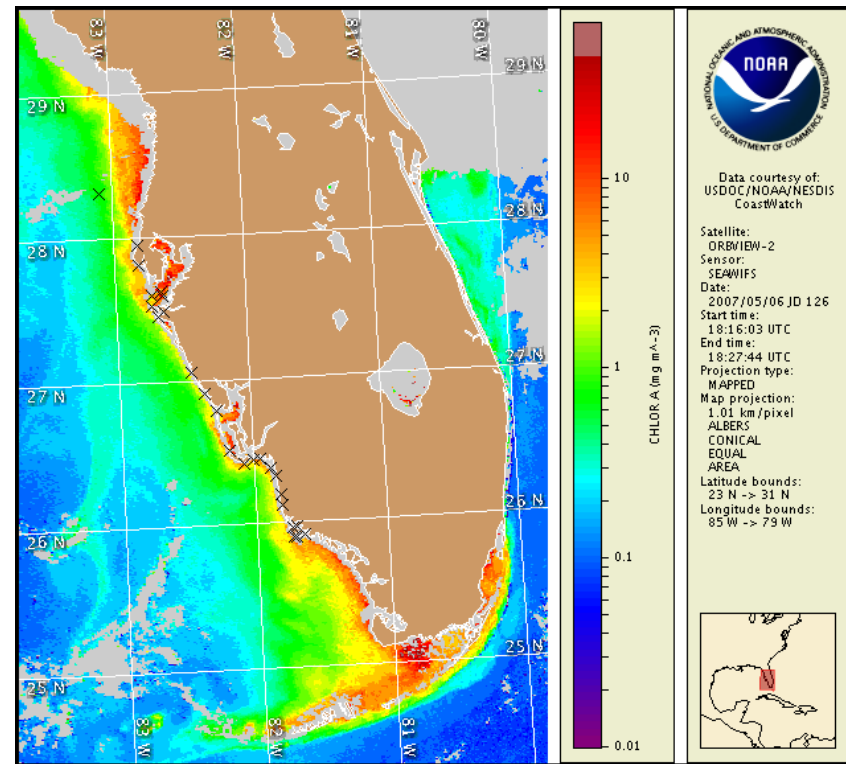
There is no indication of harmful algal bloom presence alongshore Southwest Florida, including the Keys region, at the present time. No impacts are expected in any Florida county today through Thursday.

Analysis

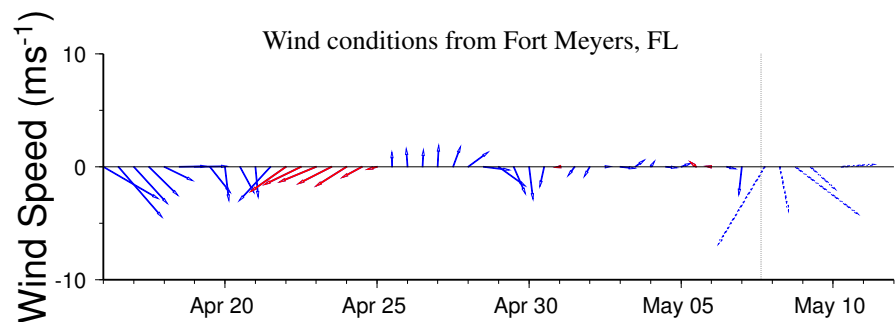
Recent sampling results indicated background concentrations of *Karenia brevis* 11 miles west of Longboat Pass in Manatee County (FWRI; 5/4). Imagery from May 6 does not indicate any areas of corresponding elevated chlorophyll along southwest Florida. However, continued sampling is recommended.

The previously identified elevated chlorophyll feature south of Cape Romano has decreased in concentration to $< 2 \mu\text{g/L}$ based on satellite imagery (5/6). Slight southerly transport of the feature is expected through Thursday. Continued bloom formation is unlikely.

Keller, Allen



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 27-May 3 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

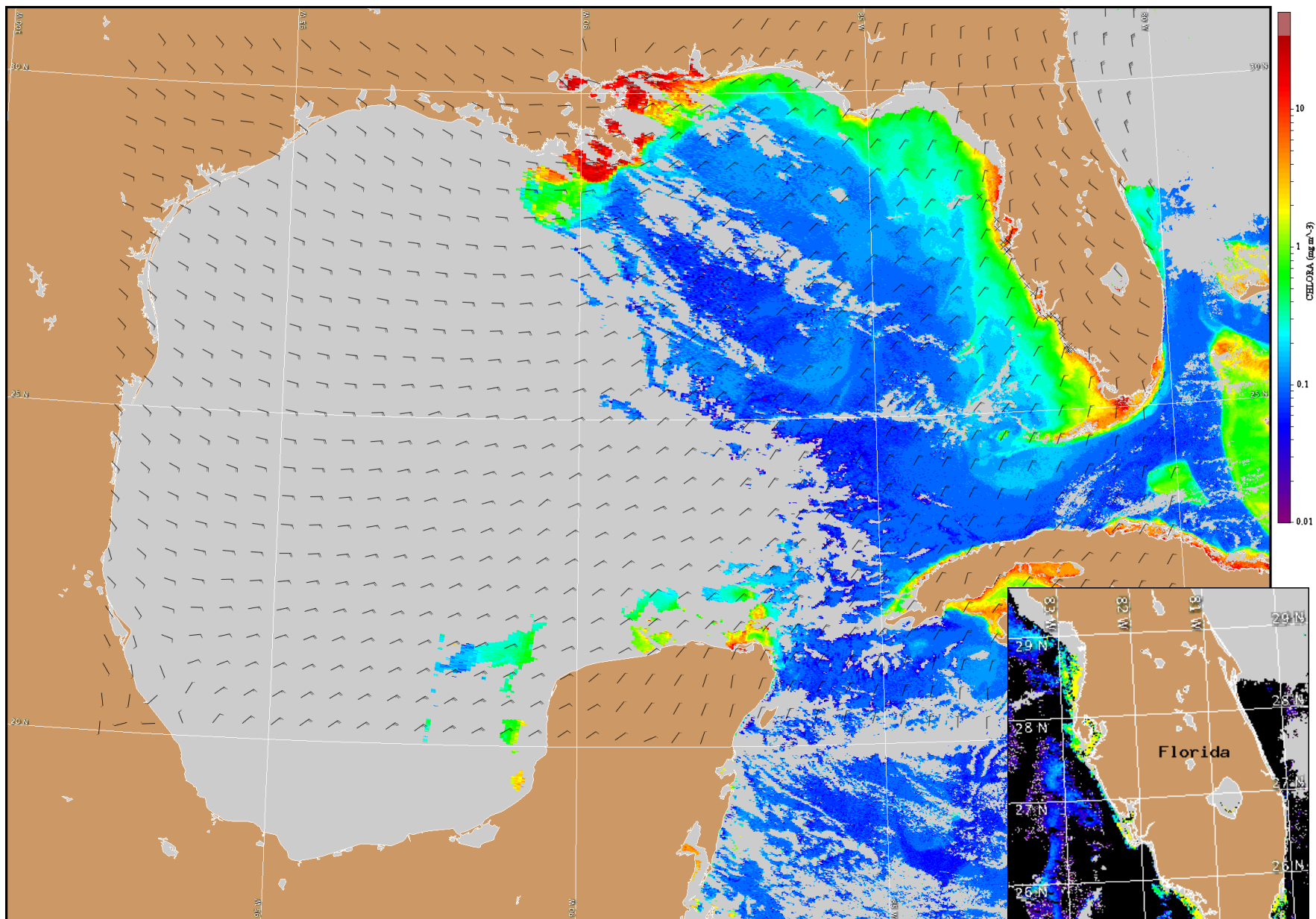


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northeasterly winds today (15-20 knots; 8-10 m/s), with northwesterly winds Tuesday through Wednesday (10-15 knots; 5-8 m/s). Westerly winds on Thursday (5-10 knots; 3-5 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for May 8, 2007 06Z with cell concentration sampling data from April 27-May 3 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).